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Patent
Attorney Docket No. 003301-106

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Per ANTONSSON et al.

Application No.: 10/759,125

Filing Date: January 20, 2004

Group Art Unit: 1648

Examiner: Unassigned

Confirmation No.: 6671

Title: VIRUS-LIKE PARTICLES DEVOID OF HPV 16 TYPE-SPECIFIC ANTIBODY EPITOPES AS
CARRIERS OF PEPTIDES FOR INTRODUCTION INTO CELLSFIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTERCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form
PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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(703) 836-6620By Deborah H. Yellin
Deborah H. Yellin
Registration No. 45,904Date: May 26, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Patent Application of)	
Per ANTONSSON et al.)	Group Art Unit: 1648
Application No.: 10/759,125)	Examiner: Unassigned
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For: VIRUS-LIKE PARTICLES DEVOID)	
OF HPV 16 TYPE-SPECIFIC)	
ANTIBODY EPITOPES AS)	
CARRIERS OF PEPTIDES FOR)	
INTRODUCTION INTO CELLS)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

All except WO 96/33737 were previously made of record in prior Application Serial No. 10/048,016, filed January 28, 2002, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98, a copy of WO 96/33737 is enclosed. All other documents, which were previously made of record in the prior application, are not enclosed.


The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

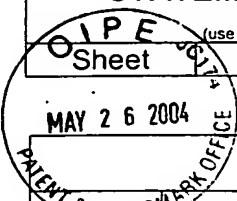
BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date May 26, 2004

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Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 1		Application Number	10/759,125
		Filing Date	January 20, 2004
		First Named Inventor	Per Antonsson et al.
		Examiner Name	Unassigned
		Attorney Docket Number	003301-106



U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,420,160		Bloch	07-2002
	6,066,324		Gissmann et al.	05-2000
	6,361,778		Gissmann et al.	03-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	97/46693		PCT	12/1997		
	99/15630	A1	PCT	04/1999		
	99/48518	A1	PCT	09/1999		
	96/11272	A1	PCT	04/1996		
	96/33737		PCT	10/1996		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Harald Zur Hausen, "Viruses in Human Cancers, Science 22 November 1991; Vol. 254: Pages 1167 to 1173., Amer. Assn. For the Advancement of Science, Washington, D.C., U.S.A.
	Douglas R. Lowry et al., "Papillomaviruses and Cervical Cancer: Pathogenesis and Vaccine Development", Journal of the National Cancer Institute Monographs No. 23, 1998, Pages 27 to 30, Oxford University Press, Oxford, U.K.
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	Heather L. Greenstone et al., "Chimeric papillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model", Proc. National Academy of Sciences, USA, February 1998, Vol. 95, Pages 1800 to 1805., National Academy of Sciences, Washington, D.C., U.S.A.
	Shiwen Peng et al., "Papillomavirus Virus-like Particles Can Deliver Defined CTL Epitopes to the MHC Class I Pathway", Virology, 1998, 240: Pages 147 to 157.
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	John D. NIELAND et al., "Chimeric Papillomavirus Virus-Like Particles Induce a Murine Self-Antigen-Specific Protective and Therapeutic Antitumor Immune Response", Journal of Cellular Biochemistry, 1999, pgs. 145-152, Vol. 73, Wiley-Liss, New York, New York, USA
	Hines JF et al., "The Express L1 Proteins of HPV-1, HPV-6, and HPV-11 Distype-specific Epitopes With Native Conformation and Reactivity and Nonneutralizing Antibodies", "Pathobiology, Vol. 64, No. 4, pp. 165-77 (1994), S. Karger A.G., Basel, Switzerland

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.